

Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A method of detecting a watermark in a compressed video signal comprising spectral coefficients obtained by transforming at least one picture ~~pictures~~ of said video signal, the method comprising: ~~consisting essentially of the steps:~~
 - accumulating spatially corresponding coefficients of ~~a plurality of pictures~~ at least one picture of one frame of the video signal, wherein a picture is an array of pixels having the same size as the watermark;
 - inverse transforming said accumulated coefficients into an accumulated plurality of pictures; and
 - detecting the watermark in said accumulated plurality of pictures.
2. (Previously Presented) The method as claimed in claim 1, wherein said encoded video signal includes predictively encoded pictures each comprising coefficients representing a residual picture after subtracting a prediction picture, and wherein the step of accumulating coefficients is applied to the coefficients representing said residual pictures irrespective of coefficients representing the prediction picture.
3. (Previously Presented) The method as claimed in claim 2, wherein said predictively encoded pictures further include motion vectors, and wherein the step of accumulating coefficients is carried out irrespective of said motion vectors.

4. (Currently Amended) An arrangement for detecting a watermark in a compressed video signal comprising spectral coefficients obtained by transforming at least one picture ~~pictures~~ of said video signal, the arrangement comprising: ~~consisting essentially of:~~

means for accumulating spatially corresponding coefficients of ~~a plurality of pictures~~ at least one picture of one frame of the video signal, wherein a picture is an array of pixels having the same size as the watermark;

means for inverse transforming said accumulated coefficients into an accumulated plurality of pictures; and

means for detecting the watermark in said accumulated plurality of pictures.

5. (Cancelled).

6. (Currently Amended) A device for recording and/or playing back a compressed video signal, said device comprising means for disabling recording and/or playback of the video signal in dependence upon the presence of a watermark in said video signal, characterized in that the device comprises an arrangement for detecting said watermark in the video signal, said arrangement comprising: ~~consisting essentially of:~~

means for accumulating spatially corresponding coefficients of ~~a plurality of pictures~~ at least one picture of one frame of the video signal, wherein a picture is an array of pixels having the same size as the watermark;

means for inverse transforming said accumulated coefficients into an accumulated plurality of pictures; and

means for detecting the watermark in said accumulated plurality of pictures.

7. (New) A method of detecting a watermark in a compressed video signal comprising spectral coefficients obtained by transforming at least one picture of said video signal, the method comprising:

accumulating spatially corresponding coefficients of at least one picture, wherein the accumulated coefficients comprise less data than one frame of the video signal;

inverse transforming said accumulated coefficients into an accumulated plurality of pictures; and
detecting the watermark in said accumulated plurality of pictures.